AUTODOC CLUB

How to change front brake pads on **Mercedes Vito W639** – replacement guide

VIDEO TUTORIAL

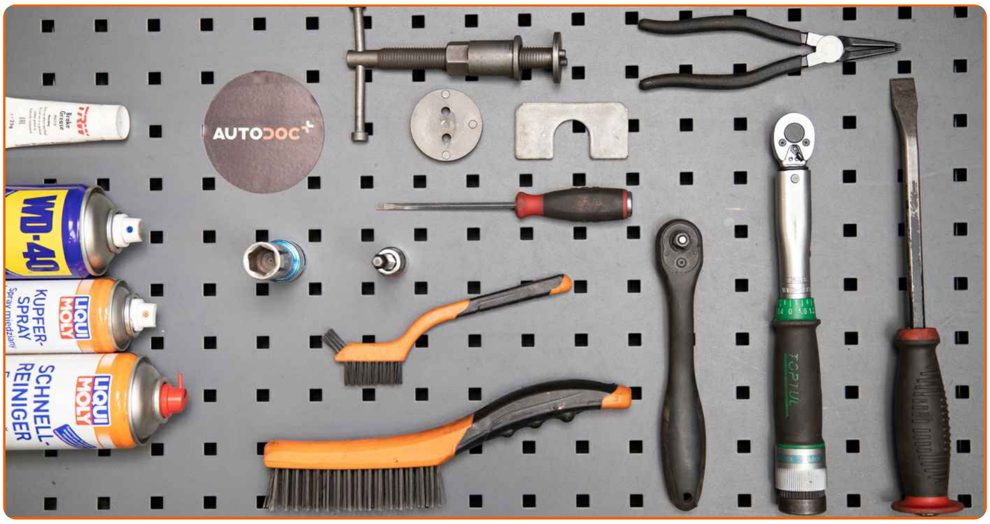


Important!

This replacement procedure can be used for:
MERCEDES-BENZ SPRINTER 3,5-t Bus (906) 318 CDI 3.0 (906.731, 906.733, 906.735), MERCEDES-BENZ SPRINTER 3,5-t Bus (906) 319 CDI / BlueTEC 3.0 (906.731, 906.733, 906.735), MERCEDES-BENZ SPRINTER 3,5-t Box (906) 319 CDI / BlueTEC 3.0 4x4 (906.631, 906.633, 906.635), MERCEDES-BENZ SPRINTER 3,5-t Platform/Chassis (906) 313 CDI 2.2 4x4 (906.131, 906.133, 906.135), MERCEDES-BENZ VITO / MIXTO Box (W639) 110 CDI 2.2, MERCEDES-BENZ VITO / MIXTO Box (W639) 113 CDI 2.2, MERCEDES-BENZ VITO / MIXTO Box (W639) 116 CDI 2.2, MERCEDES-BENZ VITO / MIXTO Box (W639) 122 CDI 3.0, MERCEDES-BENZ VITO Bus (W639) 110 CDI 2.2, MERCEDES-BENZ VITO Bus (W639) 113 CDI 2.2, MERCEDES-BENZ VITO Bus (W639) 116 CDI 2.2, MERCEDES-BENZ VITO Bus (W639) 122 CDI 3.0, MERCEDES-BENZ VIANO (W639) CDI 2.0 (639.811, 639.813, 639.815), MERCEDES-BENZ VIANO (W639) CDI 2.2 (639.811, 639.813, 639.815), MERCEDES-BENZ VIANO (W639) CDI 3.0 (639.811, 639.813, 639.815), (+ 241)

The steps may slightly vary depending on the car design.

REPLACEMENT: BRAKE PADS – MERCEDES VITO W639. LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- Nylon cleaning brush
- WD-40 spray
- Brake cleaner
- Anti-squeal paste
- Copper grease
- Torque wrench
- HEX bit no.H6.
- Wheel impact socket #17
- Ratchet wrench
- Flat Screwdriver
- Brake caliper wind back tool
- Round-nose pliers
- Crow bar
- Wheel chock

BUY TOOLS

Replacement: brake pads – Mercedes Vito W639. AUTODOC experts recommend:

- Perform the replacement of brake pads in complete set for each axis. This provides effective braking.
- The replacement procedure is identical for all brake pads on the same axle.
- All work should be done with the engine stopped.

REPLACEMENT: BRAKE PADS – MERCEDES VITO W639. USE THE FOLLOWING PROCEDURE:

1 Open the bonnet. Unscrew the brake fluid reservoir cap.



2 Secure the wheels with chocks.



3 Loosen the wheel mounting bolts. Use wheel impact socket #17.



4

Raise the front of the car and secure on supports.



5

Unscrew the wheel bolts.



Replacement: brake pads – Mercedes Vito W639. Tip:

- To avoid injury, hold up the wheel when unscrewing the bolts.

6

Remove the wheel.

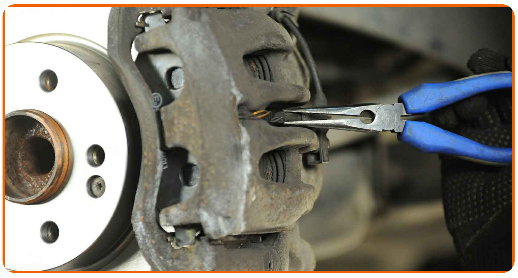


7

Remove the dust boot caps of the brake caliper guide pins.



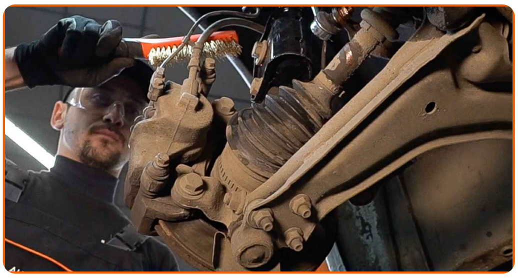
8 Disconnect the brake pad wear sensor plug. Use round-nose pliers.



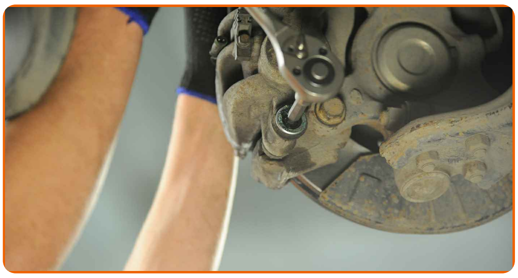
Please note!

- Some cars are not equipped with the brake pad wear sensor.

9 Clean the brake caliper fasteners. Use a wire brush. Use WD-40 spray.



10 Unscrew the brake caliper fastening. Use HEX No.H6. Use a ratchet wrench.



11 Remove the guide pins from the brake caliper.

12 Spread the brake pads. Use a crowbar.

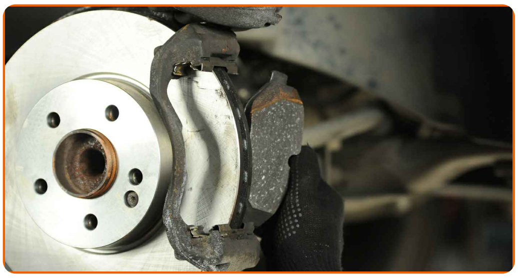
13 Remove the brake caliper.



AUTODOC recommends:

- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

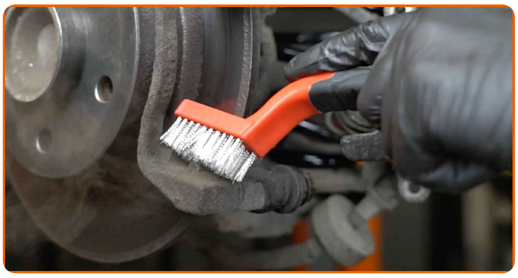
14 Remove the brake pads.



Replacement: brake pads – Mercedes Vito W639. AUTODOC experts recommend:

- Measure the brake disc thickness. Upon reaching the wear limit the part must be replaced.

15 Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.



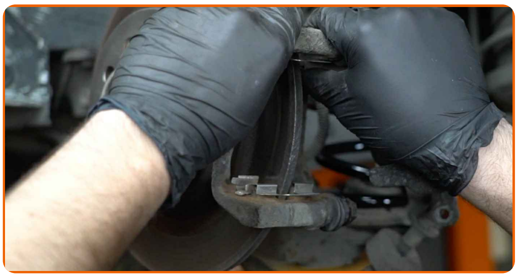
AUTODOC recommends:

- Replacement: brake pads – Mercedes Vito W639. After applying the spray, wait a few minutes.

16 Remove the retaining springs of the brake pads. Use a flat screwdriver.



17 Install the retaining springs of the brake pads.



18 Remove the brake pad wear sensor from the brake pad. Use a flat screwdriver.

19 Treat the brake pads in the area where their surface comes into contact with the brake caliper bracket. Use anti-squeal paste.



Replacement: brake pads – Mercedes Vito W639. Tip from AUTODOC:

- Make sure the disc surface is clean before installing the pads.

20 Install the wear sensor on the brake pads.

21 Install new brake pads. Use a flat screwdriver.



Replacement: brake pads – Mercedes Vito W639. Professionals recommend:

- Make sure the pads are installed with linings facing the disc.

22 Treat the brake caliper piston. Use a nylon cleaning brush. Use a brake cleaner.



Replacement: brake pads – Mercedes Vito W639. Tip from AUTODOC:

- After applying the spray, wait a few minutes.

23 Press in the brake caliper piston. Use brake caliper wind back tool.

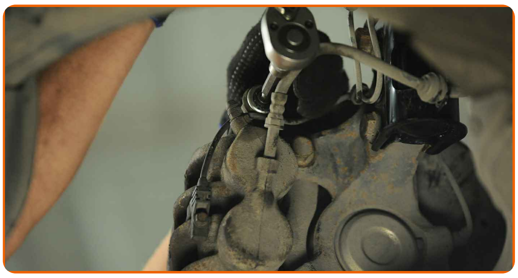


24 Install the brake caliper and fix it.

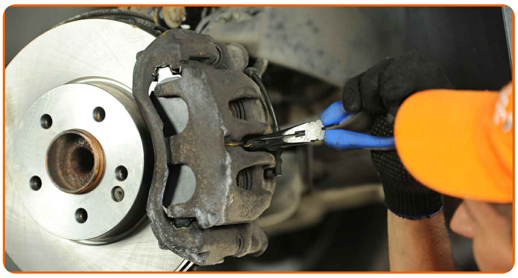


25 Screw in the guide pins.

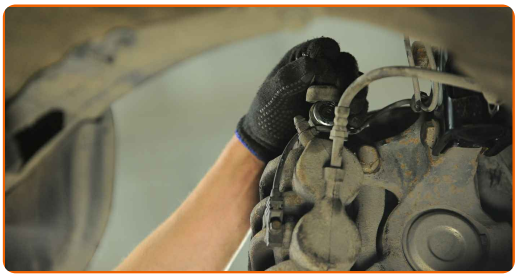
26 Tighten the brake caliper fasteners. Use HEX No.H6. Use a torque wrench. Tighten it to 35 Nm torque.



27 Connect the brake pad wear sensor plug.



28 Install the dust boot caps of the brake caliper guide pins. Use a flat screwdriver.



29 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



30 Clean the brake disk surface. Use a brake cleaner.



Replacement: brake pads – Mercedes Vito W639. Tip from AUTODOC experts:

- After applying the spray, wait a few minutes.

31 Install the wheel.



AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. Mercedes Vito W639

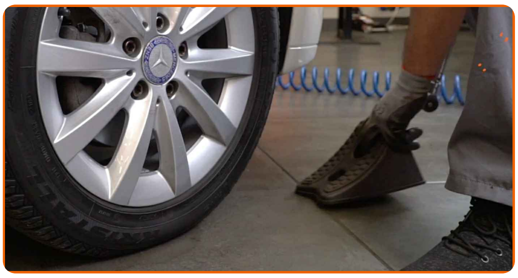
32 Screw in the wheel bolts. Use wheel impact socket #17.



33 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 130 Nm torque.



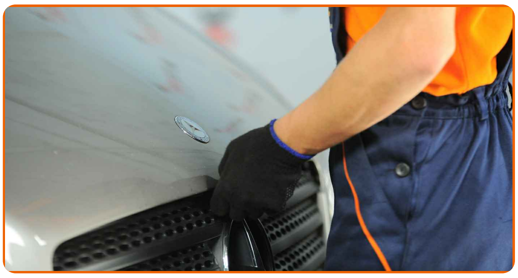
34 Remove the jacks and chocks.



Replacement: brake pads – Mercedes Vito W639. AUTODOC recommends:

- Check the brake fluid level in the expansion tank and refill if necessary.

35 Tighten the brake fluid reservoir cap. Close the hood.



AUTODOC recommends:

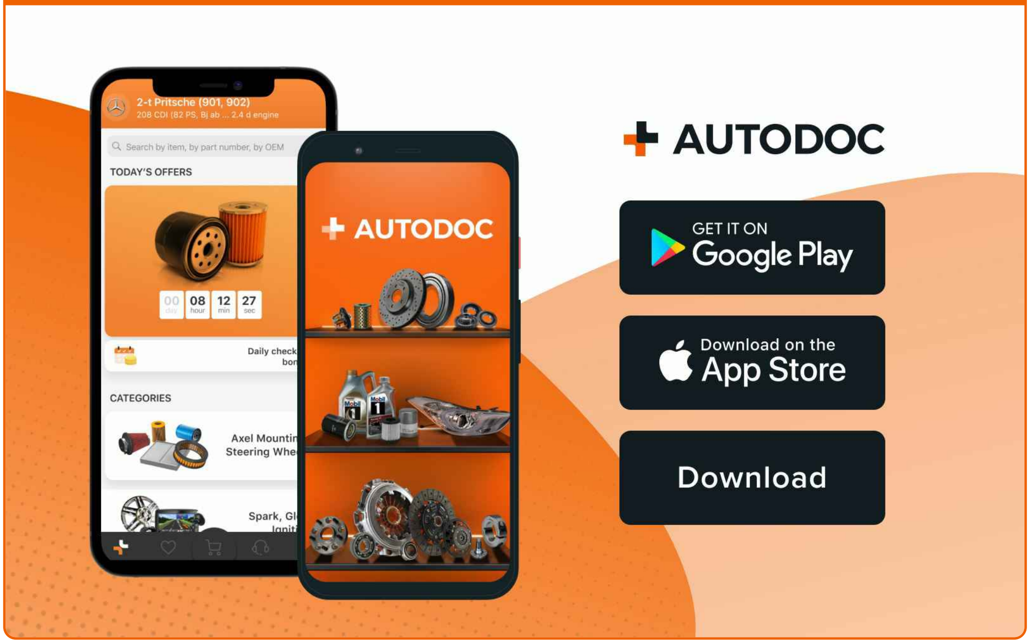
- Mercedes Vito W639 – Press the brake pedal several times with the engine shut down until you feel the resistance built up.
- Slow down smoothly for first 150-200 km after the brake pads replacement. Avoid unneccessary and sharp braking to a stop.

WELL DONE!

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BRAKE PADS: A WIDE SELECTION

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